

Contents of *Animal Reproduction Science*, Volume 31

Vol. 31 Nos. 1–2

March 1993

Immunosuppressive and leucolytic effect of phospholipid binding protein in bull seminal plasma J. Matoušek and R. Staněk (Liběchov, Czechoslovakia)	1
Follicular development in prepubertal heifers H.W. Hopper, R.W. Silcox, D.J. Byerley and T.E. Kiser (Athens, GA, USA)	7
Comparison of the in vitro fertilizing ability of sperm from endangered Hungarian Grey bulls Z. Bárándi, L. Solti (Gödöllő, Hungary), S. Cseh (Budapest, Hungary), Z. Varga, Z. Macháty and G. Vajta (Gödöllő, Hungary)	13
Short luteal phases and ovulations without oestrus in primiparous Borana (<i>Bos indicus</i>) cows in the central highlands of Ethiopia A. Tegegne (Addis Ababa, Ethiopia), A. Geleto and T. Kassa (Debre Zeit, Ethiopia)	21
In vitro culture of bovine one-cell embryos fertilized in vitro using synthetic oviduct fluid medium with and without glucose and supplemented with fetal calf serum Y. Takahashi (Sapporo, Japan) and N.L. First (Madison, WI, USA)	33
Maturation-related changes in bovine oocytes under different culture conditions M. Shamsuddin, B. Larsson and H. Rodriguez-Martinez (Uppsala, Sweden)	49
Effect of urea–molasses–mineral block supplementation on postpartum ovarian activity in Zebu cows A. Ghosh, M.G.S. Alam and M.A. Akbar (Mymensingh, Bangladesh)	61
Reproductive performance of Assaf and Booroola–Assaf crossbred ewes and its association with plasma FSH levels and induced ovulation rate measured at prepuberty E. Gootwine, R. Braw-Tal, D. Shalhevet, A. Bor and A. Zenou (Bet Dagan, Israel)	69
Ovarian stimulation following repeated injections of LH or LH + FSH in Ile-de-France sheep in early and mid-seasonal anoestrus B. Oussaid (Alger, Algeria), Y. Cognie and J.C. Mariana (Nouzilly, France)	83
Testis size, gonadotrophin secretion and pituitary responsiveness to GnRH in Romney rams during the transition from the non-breeding to the breeding season Z.Z. Xu, M.F. McDonald, S.N. McCutcheon and H.T. Blair (Palmerston North, New Zealand)	99
The effect of naloxone on LHRH secretion from the median eminence of anestrus ewes W.D. Currie, M. Bauer and N.C. Rawlings (Saskatoon, Sask., Canada)	113
Ovarian follicular dynamics and duration of estrus and diestrus in Arabian vs. Quarter Horse mares M.A. Dimmick, T. Gimenez and R.L. Schlager (Clemson, SC, USA)	123
Effect of human chorionic gonadotropin on myometrial electrical activity in the pig A.J. Ziecik (Olsztyn, Poland), Z. Gajewski, J. Jedruch (Warsaw, Poland) and B. Barcikowski (Jablonna, Poland)	131
Exogenous prolactin elevates plasma progesterone concentrations and reduces androgen concentrations during the early luteal phase of the porcine estrous cycle R. Ciereszko and L. Dusza (Olsztyn, Poland)	141

Superovulation and egg transfer in Yucatan miniature swine C.A. Pinkert (Birmingham, AL, USA) and K.A. Murray (Wilmington, MA, USA)	155
Announcement from the Publisher	165
Guidelines for the presentation of competitive binding assays.....	166

Vol. 31 Nos. 3-4**May 1993**

Oestrous response of trypanotolerant N'Dama cows after treatment with prostaglandin F ₂ α analogue (cloprostenol) in the humid forest zone of Ghana P. Gyawu, J.D. Kabuga (,), K. Asare, P.K. Karikari (Kumasi, Ghana), P. Appiah, F.A. Kwarteng (,) and P.K. Awunyo (Kumasi, Ghana)	167
Ovarian cysts, a postpartum ovarian disorder affecting dairy cows in a tropical area P.F. Mujuni, F.O.K. Mgongo and N.L. Kanuya (Morogoro, Tanzania)	175
Filtration of bovine semen. I. Development of a Sephadex ion-exchange filter M. Anzar and E.F. Graham (St. Paul, MN, USA)	187
Filtration of bovine semen. II. Factors affecting the recovery rate of spermatozoa M. Anzar and E.F. Graham (St. Paul, MN, USA)	197
In vitro maturation and fertilization of swamp buffalo (<i>Bubalus bubalis</i>) oocytes M.R. Jainudeen (Selangor, Malaysia), Y. Takahashi (Sapporo, Japan), M. Nihayah (Selangor, Malaysia) and H. Kanagawa (Sapporo, Japan)	205
Effect of nutrition during pregnancy on birth weight and lamb survival in Fec ^B Booroola \times South Australian Merino ewes D.O. Kleemann, S.K. Walker (Rosedale, S.A., Australia), J.R.W. Walkley, R.W. Ponzoni (Adelaide, S.A., Australia), D.H. Smith, R.J. Grimson (Rosedale, S.A., Australia) and R.F. Seamark (Adelaide, S.A., Australia)	213
Increases in ovulation rate and gonadotrophin concentration in goats and Merino sheep after treatment with bovine follicular fluid D.W. Miller and G.B. Martin (Nedlands, W.A., Australia)	225
Pelvic size in Merino ewes selected for lamb-rearing ability is greater than that of unselected Merino ewes R.J. Kilgour (Trangie, N.S.W., Australia) and K.G. Haughey (Ruse, N.S.W., Australia)	237
Elevated sperm morphological abnormalities of Yankasa rams consequent to <i>Trypanosoma vivax</i> infection V.O. Sekoni (Zaria, Nigeria)	243
The effect of freeze-thawing of goat and sheep semen at a high density of spermatozoa on cell viability and fertility after insemination A.J. Ritar and P.D. Ball (Kings Meadows, Tas., Australia)	249
Effect of bovine follicular fluid on gonadotropin secretion and ovulation rate in the cycling ewe with subsequent passive immunization of prepuberal mice with bovine follicular fluid antisera B.S. Wahle, J.D. Sikes and W.R. Lamberson (Columbia, MO, USA)	263
Luteinizing and follicle-stimulating hormone secretion during median eminence perfusion or intravenous infusion with gonadotrophin-releasing hormone antisera in ovariectomized ewes W.D. Currie, K.A. Ellis, S.A. Gourley, I.B.J.K. Joseph, S.J. Cook and N.C. Rawlings (Saskatoon, Sask., Canada)	277
Aging effects on follicular activity and concentrations of FSH, LH, and progesterone in mares E.M. Carnevale, D.R. Bergfelt and O.J. Ginther (Madison, WI, USA)	287

Role of the uterus in allantoic fluid shifts and fetal mobility in mares P.G. Griffin and O.J. Ginther (Madison, WI, USA)	301
Effects of the embryo on uterine morphology and function in mares P.G. Griffin, E.M. Carnevale and O.J. Ginther (Madison, WI, USA)	311
The effects of duration of boar exposure, number of gilts in the exposure group and size of the exposure pen on the efficacy of the boar effect P.E. Hughes (Parkville, Vic., Australia)	331
Effect of an aromatase inhibitor, 4-androsten-4-ol-3,17 dione acetate, on in vitro blastocyst formation of rabbit embryos S. Holdas, Jr. (Herceghalom, Hungary)	341
Author Index	349